

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: December 14, 2003, 14:23:30 ; Search time 86 Seconds
(without alignments)

3053.755 Million cell updates/sec

Title: US-10-021-698-111

Perfect score: 3258

Sequence: 1 MPACSCSDVFOYETNKVTR.....RIRKFPKSGQYSGFKSPY 595

Scoring table:

BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Xgapop 10.0 , Xgapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-DB=issued Patents NA -OPMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
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-NO_MMAP -LARGEQUERY -NEG_SCORES=0 -WAIT -DSFBLACK=100 -LONGLOG
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:
1: /cgn2_6/ptodata/2/ina/5A COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3235	99.3	1853	3	US-08-842-079-19
2	3235	99.3	1853	4	Sequence 19, Appl
3	2677	82.2	3540	3	US-09-638-857-19
4	2677	82.2	3540	4	Sequence 16, Appl
5	896	27.5	1750	4	US-09-638-857-16
6	896	27.5	1750	4	US-09-638-857-16
7	896	27.5	1750	4	US-09-638-857-16
8	896	27.5	1750	4	US-09-638-857-16
9	867	26.6	1997	2	US-09-191-608-21
10	773	23.7	2643	2	US-09-191-608-21
11	773	23.7	2643	3	US-08-750-134A-6
12	769.5	23.6	577	4	US-08-750-134A-10
					Sequence 10, Appl
					Sequence 829, Appl

13	740	22.7	1837	2	US-08-750-134A-4
14	740	22.7	1837	3	US-09-363-745-4
15	681.5	20.9	1243	3	US-09-191-136-15
16	678.5	20.8	1753	2	US-08-750-134A-8
17	678.5	20.8	1753	3	US-09-363-745-8
18	669.5	20.5	1272	3	US-09-191-136-13
19	656.5	20.2	1421	3	US-09-191-608-14
20	656.5	20.2	1436	3	US-09-191-608-13
21	633.5	19.4	1499	3	US-09-191-608-16
22	627.5	19.3	1697	3	US-09-381-681-2
23	624.5	19.2	1293	3	US-09-381-681-1
24	624.5	19.2	1360	3	US-09-191-136-30
25	607.5	18.6	1349	3	US-09-191-608-15
26	438	13.4	248	4	US-09-016-434-195
27	379.5	11.6	878	1	US-07-915-934-3
28	379.5	11.6	878	1	US-08-325-743-3
29	328.5	10.1	531	3	US-09-191-608-8
30	128	3.9	910	3	US-09-191-608-2
31	111	3.4	221	3	US-09-191-608-1
32	109.5	3.4	396	3	US-09-191-136-28
33	103.5	3.2	1704	4	US-09-252-991A-11910
34	103.5	3.2	1956	4	US-09-252-991A-12032
35	103.5	3.2	3390	4	US-09-252-991A-11981
36	100.5	3.1	4403765	3	US-09-103-840A-2
37	100.5	3.1	4411529	3	US-09-103-840A-1
38	99.5	3.1	2455	4	US-09-227-357-79
39	99	3.0	1493	4	US-09-016-434-1175
40	98	3.0	1230025	4	US-09-198-452A-1
41	97.5	3.0	1260	4	US-09-252-991A-10925
42	97.5	3.0	2348	3	US-09-393-554-10
43	97	3.0	6168	4	US-09-071-035-457
44	97	3.0	6168	4	US-09-071-035-461
45	97	3.0	6168	4	US-09-071-035-465

ALIGNMENTS

RESULT 1
US-08-842-079-19
; Sequence 19, Application US/08842079
; Patent No. 6133434
; GENERAL INFORMATION:
; APPLICANT: BUELL, GARY N.
; APPLICANT: SURPRENANT, ANNMARIE
; APPLICANT: KAWASHIMA, ERIC
; TITLE OF INVENTION: A PURINERGIC RECEPTOR
; FILE REFERENCE: 1430-160
; CURRENT APPLICATION NUMBER: US/08/842,079
; CURRENT FILING DATE: 1997-04-28
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 19
; LENGTH: 1853
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-08-842-079-19

Alignment Scores:				
Pred. No.:	0	Length:	1853	
Score:	3235.00	Matches:	591	
Percent Similarity:	99.33%	Conservative:	0	
Best Local Similarity:	99.33%	Mismatches:	4	
Query Match:	99.29%	Indels:	0	
DB:	3	Gaps:	0	

US-10-021-698-111 (1-595) x US-08-842-079-19 (1-1853)

Qy 1 MetProLaCyCysSerCysSerAspValPheGlnTyrGluThrAsnLysValThrArg 20
Db 27 ATGCCGGCTCTGCGCTGAGTGTGTTTCCAGTATGAGCGAACAAAGTCACTCGG 86

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QY 21 IleGlnSerMetAsnTyrGlyThrIleLysTyrPhePheHisValIleIlePheSerTyr 40
DB 87 ATCCAGAGCATGAATATGGCCACCAATTAAGTGGTCTTCCACGTGATCATCTTTTCCTAC 146
QY 41 ValCysPheAlaLeuValSerAspLysLeuTyrGlnArgLysGluProValIleSerSer 60
DB 147 GTTGTCTTTGCTGCTGAGTGACAACTGTCACCAAGCTGTACCAAGCGGAAGAGCCTGTCTACATAGTTCT 206
QY 61 ValHisThrLysValLysGlyIleAlaGluValLysGluGluIleValGluAsnGlyVal 80
DB 207 GTGCACACCAAGGTGAAGGGGATAGCAGAGGTGAAGAGGAGATCGTGAGGAATCGAGTG 266
QY 81 LysLysLeuValHisSerValPheAspThrAlaAspTyrThrPheProLeuGlnGlyAsn 100
DB 267 AAGAAGTGTGTGCACAGTGTCTTTGACACCGCAGACTACACCTTCCCTTTGAGGGGAAC 326
QY 101 SerPhePheValMetThrAsnPheLeuLysThrGluGlyGlnGluArgLysCysPro 120
DB 327 TCCTTCTGCTGATGACAACTTCTCAAAACAGAAAGGCGCAGAGCGGTGTGTCTCC 386
QY 121 GluTyrProThrArgArgThrLeuLysSerSerAspArgGlyCysLysLysGlyTyrMet 140
DB 387 GAGTATCCCCCGCAGAGCGCTCTGTCTCTGACCGAGGTGTAAAGGGATGGATG 446
QY 141 AspProGlnSerLysGlyIleGlnThrGlyArgCysValHisGluGlyAsnGlnLys 160
DB 447 GACCCGACAGACCAAGAAATTCAGACCGAAGGTGTGTAGTGCATGAAGGGAACCAAG 506
QY 161 ThrCysGluValSerAlaTyrCysProIleGluAlaValGluAlaProArgProAla 180
DB 507 ACCTGTGAAGTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 566
QY 181 LeuLeuAsnSerAlaGluAsnPheThrValLeuLysAsnAsnIleAspPheProGly 200
DB 567 CTCTTGAAACAGTCCGGAACCTTCACCTGCTCATCAAGAACCAATATCGACTTCCCGGC 626
QY 201 HisAsnTyrThrThrArgAsnIleLeuProGlyLeuAsnIleThrCysThrPheHisLys 220
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QY 221 ThrGlnAsnProGlnCysProIlePheArgLeuGlyAspIlePheArgGluThrGlyAsp 240
DB 687 ACTCAGAACTCACAGTGTCTCCATTTCCGATAGGACATCTTCCGAGAAACAGGCGAT 746
QY 241 AsnPheSerAspValAlaIleGlnGlyIleMetGlyIleGluIleTyrTrpAspCys 260
DB 747 AATTTTTCAGATGGCGAATTCAGGGCGAATATATGGCATTTGAGATCTACTGGGACTGC 806
QY 261 AsnLeuAspArgTyrPheHisCysArgProLysTyrSerPheArgArgLeuAspAsp 280
DB 807 AACCTAGACCGTGGTTCCTCATCTGCTCCATCCCAATACAGTTTCCGTCGCTTTCAGC 866
QY 281 LysThrThrAsnValSerLeuTyrProGlyTyrAsnPheArgTyrAlaLysTyrTyrLys 300
DB 867 AAGACCAACCAAGTGTCTTGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 926
QY 301 GluAsnValGluLysArgThrLeuLysValPheGlyIleArgPheAspIleLeu 320
DB 927 GAAACCAATGTGAGAAACGAACTCTGATAAAGTCTTCGGGATCCGTTTTCATCCTG 986
QY 321 ValPheGlyThrGlyLysPheAspIleLeuValValValValValValValValValVal 340
DB 987 GTTTTGGCACCGGAGGAAATTTGACATTTATCCAGCTGGTGTGTATCATCGGCTCAACC 1046
QY 341 LeuSerTyrPheGlyLeuAlaThrValPheIleAspPheLeuIleAspThrTyrSerSer 360
DB 1047 CTCTCCTACTTCCGCTGCGCGCTGTGTCTCATCGACTTCTCATCGACACTTACTTCCAGT 1106
QY 361 AsnCysCysArgSerHisIleTyrProTyrProTyrCysLysCysGlnProCysValValAsn 380
DB 1107 AACTGCTGTCTCCATATTTATCCCTGGTGGCAAGTGTCTGACGCTCTGTGTGTGTCAAC 1166
QY 381 GluTyrTyrTyrArgLysLysCysGluSerIleValGluProLysProThrLeuLysTyr 400
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DB 1167 GAATACTACTACAGGAAGAGTCCGAGTCAATTTGTGGACCAAGCCGACATTAAGTAT 1226
QY 401 ValSerPheValAspGluSerHisIleArgMetValAsnGlnLeuLeuGlyArgSer 420
DB 1227 GTGTCTTTGTGATGAATCCCACTTAGGATGGTGAACCAAGCAGCTACTAGGAGAAAT 1286
QY 421 LeuGlnAspValLysGlyGlnGluValProArgProAlaMetAspPheThrAspLeuSer 440
DB 1287 CTCGAAGATGTCGAAGGGCCCAAGAGTCCCAAGACCTGCGATGAGCTTTCACAGATTGTTC 1346
QY 441 ArgLeuProLeuAlaLeuHisAspThrProProIleProGlyGlnProGluGluIleGln 460
DB 1347 AGGCTGCCCCCTGGCCCTCCATGACACACCCCGATTTCTTGACAAACACAGAGGAGATAC 1406
QY 461 LeuLeuArgLysGluAlaThrProArgSerArgAspSerProValTyrCysGlnCysGly 480
DB 1407 CTGCTTAGAAGAGGAGCGCATCTCTAGATCCAGGGATAGCCCGCTCTGTGCTCCAGTGTGA 1466
QY 481 ArgCysLeuProSerGlnLeuProGluSerHisArgCysLeuGluGluLeuCysCysArg 500
DB 1467 AGCTGCTCCCATCTCAACTCCCTGAGAGCCACAGGTGCTTGAGGAGCTGTGTGCTGCGG 1526
QY 501 LysLysProGlyAlaCysIleThrThrSerGluLeuPheArgLysLeuValLeuSerArg 520
DB 1527 AAAAAGCGGGGCTGTCATCCACCTCAGAGCTGTTCAAGAGCTGCTCTGTCCAGA 1586
QY 521 HisValLeuGlnPheLeuLeuLeuTyrGlnGluProLeuLeuAlaLeuAspValAspSer 540
DB 1587 CACGTCTCGCATGTTCTCTCTACAGAGCGCTTGTGCGCTGGATGTGGATTCTC 1646
QY 541 ThrAsnSerArgLeuArgHisCysAlaTyrArgCysTyrAlaThrTyrArgPheGlySer 560
DB 1647 ACCAACAGCGCGCTCGCGCACTGTCTACAGGTGCTACGCCACCTGCGCTTCCGCTCC 1706
QY 561 GlnAspMetAlaAspPheAlaIleLeuProSerCysCysArgTyrArgIleArgLysGlu 580
DB 1707 CAGGACATGGTGTACTTTGCCATCTGCCCAGCTGCTGCGCTGAGGATCGGAAAGAG 1766
QY 581 PheProLysSerGluGlyGlnTyrSerGlyPheLysSerProTyr 595
DB 1767 TTTCCGAAGAGTGTAGGCGCAGTACAGTGGCTTCAAGAGTCTCTTAC 1811
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RESULT 2

US-09-638-857-19

; Sequence 19, Application US/09638857

; Patent No. 6509163

; GENERAL INFORMATION:

; APPLICANT: BUELL, GARY N.

; APPLICANT: SURPRENANT, ANNMARIE

; APPLICANT: KAWASHIMA, ERIC

; TITLE OF INVENTION: A PURINERGIC RECEPTOR

; FILE REFERENCE: 1430-160

; CURRENT APPLICATION NUMBER: US/09/638,857

; CURRENT FILING DATE: 2000-08-15

; PRIOR APPLICATION NUMBER: 08/842,079

; PRIOR FILING DATE: 1997-04-28

; NUMBER OF SEQ ID NOS: 20

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 19

; LENGTH: 1853

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

US-09-638-857-19

Alignment Scores:

Pred. No.: 0

Score: 3235.00

Percent Similarity: 99.33%

Best Local Similarity: 99.33%

Query Match: 99.29%

Length: 1853

Matches: 591

Conservative: 0

Mismatch: 4

Indels: 0

Result No.	Score	Query Match	Length	DB	ID	Description
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2	1834.6	36.1	1853	4	US-09-638-857-19	Sequence 19, Appl
3	1285.8	25.3	3540	3	US-08-842-079-16	Sequence 16, Appl
4	1285.8	25.3	3540	4	US-09-638-857-16	Sequence 16, Appl
5	450	8.8	577	4	US-09-016-434-829	Sequence 829, App
6	383.2	7.5	59065	4	US-09-813-817-3	Sequence 3, Appli
7	383.2	7.5	59065	4	US-09-978-197-3	Sequence 3, Appli
8	332	6.5	55298	4	US-09-491-356C-1	Sequence 1, Appli
9	330.8	6.5	36651	4	US-09-738-894A-3	Sequence 3, Appli
10	330.8	6.5	36651	4	US-09-964-469-3	Sequence 3, Appli
11	328.4	6.5	15977	4	US-09-608-285A-59	Sequence 59, Appl
12	326.8	6.4	14747	4	US-09-608-285A-42	Sequence 42, Appl
13	326.8	6.4	14747	4	US-09-557-800C-42	Sequence 42, Appl
14	323	6.3	36159	4	US-09-749-588-3	Sequence 3, Appli
15	311.2	6.1	87350	3	US-08-781-891-79	Sequence 79, Appl
16	311.2	6.1	87350	4	US-09-618-166-79	Sequence 79, Appl
17	311.2	6.1	87543	4	US-09-791-211-3	Sequence 3, Appli
18	309.8	6.1	45716	4	US-08-965-048-5	Sequence 5, Appli
19	309.8	6.1	45989	4	US-08-965-048-6	Sequence 6, Appli
20	307.6	6.0	14796	3	US-08-975-080-35	Sequence 35, Appl
21	307.6	6.0	14796	3	US-09-630-706-10	Sequence 10, Appl
22	307.6	6.0	14796	4	US-09-496-694B-3	Sequence 3, Appli
23	307.2	6.0	162450	4	US-09-345-882-1	Sequence 1, Appli
24	306	6.0	31571	3	US-08-323-433B-1	Sequence 1, Appli
25	306	6.0	53526	3	US-08-658-136-2	Sequence 2, Appli
26	306	6.0	53577	3	US-08-658-136-1	Sequence 1, Appli
27	301.2	5.9	18853	4	US-09-820-005-3	Sequence 3, Appli

